

What is claimed is:

1. A battery, comprising:

a battery element including a cathode, an anode and an electrolyte and being accommodated in a film-shaped casing,

wherein the casing includes a metal layer and a resin layer disposed on a side of the metal layer closer to the battery element with an adhesive layer in between, and

the adhesive layer has a water vapor transmission rate of  $800 \text{ g/m}^2 \cdot \text{day}$  for a thickness of  $25 \text{ } \mu\text{m}$  at  $40^\circ\text{C}$  and  $90\%\text{RH}$  and a thickness of  $10 \text{ } \mu\text{m}$  or less.

2. A battery according to claim 1, wherein

the adhesive layer includes an acrylic adhesive.

3. A battery according to claim 1, wherein

the resin layer includes a modified polyolefin resin.

4. A battery according to claim 3, wherein

the resin layer includes at least one kind selected from the group consisting of modified polypropylene having a carbonyl group and modified polyethylene having a carbonyl group.

5. A battery according to claim 1, wherein

the resin layer has a thickness of 50  $\mu$  m or less.

6. A battery according to claim 1, wherein  
the electrolyte includes a gel electrolyte or a solid electrolyte.

7. A battery according to claim 1, wherein  
the anode includes an anode material capable of inserting and  
extracting lithium (Li).

8. A battery according to claim 7, wherein  
the anode includes a carbon material.

9. A battery according to claim 1, wherein  
the cathode includes a cathode material capable of inserting and  
extracting lithium (Li).

10. A battery according to claim 9, wherein  
the cathode includes a complex oxide of lithium and a transition  
metal.

11. A battery, comprising:  
a battery element including a cathode, an anode and an electrolyte  
and being accommodated in a film-shaped casing,

wherein the casing includes a metal layer and a thermoplastic layer with a thickness of 50  $\mu$ m or less disposed on a side of the metal layer closer to the battery element.

12. A battery according to claim 11, wherein the thermoplastic layer includes a modified polyolefin resin.

13. A battery according to claim 12, wherein the thermoplastic layer includes at least one kind selected from the group consisting of modified polypropylene having a carbonyl group and modified polyethylene having a carbonyl group.

14. A battery according to claim 11, wherein the electrolyte includes a gel electrolyte or a solid electrolyte.

15. A battery according to claim 11, wherein the anode includes an anode material capable of inserting and extracting lithium (Li).

16. A battery according to claim 15, wherein the anode includes a carbon material.

17. A battery according to claim 11, wherein

the cathode includes a cathode material capable of inserting and extracting lithium (Li).

18. A battery according to claim 17, wherein  
the cathode includes a complex oxide of lithium and a transition metal.